

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(timing and margin and thermal and voltage and frequency).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/06 16:48
S1	31	donze-richard-lee.in. hovis-william-paul.in. keuper-terrance-wayne.in. sheets-john-edward.in. tetzloff-jon-robert.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 14:33
S2	148832	(international business machine).as.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:40
S3	989	ibm.as.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:40
S4	102	S2 and S3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:40
S5	149719	S2 or S3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:40
S6	54927	S5 and (thermal temperature heat)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 14:34
S7	401	S5 and (thermal adj sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/04 14:40
S8	2605	S5 and (thermal temperature heat) adj sensor	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 09:20
S9	427	S8 and regulator	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:43
S10	65517	(international adj business adj machine).as.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:44
S11	66409	S3 or S10	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:44
S12	739	S11 and (thermal temperature heat) adj sensor	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:45
S13	29	S12 and (voltage adj sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:45

## EAST Search History

S14	11	S12 and (voltage adj regulator)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:53
S15	1083	361/103.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 17:53
S16	251	S15 and (thermal temperature heat) adj sensor	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 18:06
S17	23	S16 and (voltage adj regulator)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 18:07
S18	29440	(cpu semiconductor) same (sense detect\$3 sensor) same (thermal\$4 temperature)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 14:34
S19	7304	S18 same voltage	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 14:34
S20	2107	S19 same (timing clock frequency speed)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 14:35
S21	200	S20 same (supply adj voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 15:17
S30	25	("4254475"   "4885521"   "5053943"   "5142684"   "5179493"   "5257202"   "5300835"   "5307257"   "5402524"   "5475847"   "5483464"   "5515134"   "5627412"   "5713030"   "5719800"   "5727193"   "5745375"   "5778237"   "5787294"   "5787369"   "5832284"   "5848282"   "5987244"   "6062202"   "6216235").PN. OR ("6928559"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/07 14:25

## EAST Search History

S31	138	("3453601"   "3941989"   "4279020"   "4293927"   "4381552"   "4409665"   "4448543"   "4670837"   "4672228"   "4686386"   "4689659"   "4698748"   "4722669"   "4812733"   "4851987"   "4893271"   "4924112"   "4970497"   "4980836"   "5021679"   "5025387"   "5036493"   "5058389"   "5115225"   "5121291"   "5125088"   "5132632"   "5134703"   "5142684"   "5167024"   "5189314"   "5201059"   "5218704"   "5222239"   "5230055"   "5230074"   "5239652"   "5241680"   "5249741"   "5287244"   "5287292"   "5291607"   "5349688"   "5349823"   "5355501"   "5359234"   "5369771"   "5375230"   "5381043"   "5388265"   "5392437"   "5396635"   "5416726"   "5418751"   "5422832"   "5426755"   "5428790"   "5430881"   "5442806"   "5469320"   "5469561"   "5473767"   "5475847"   "5483102"   "5485127"   "5498971"   "5500509"   "5502838"   "5504907"   "5504908"   "5504924"   "5511203"   "5526289"   "5535401"   "5539681"   "5546568"   "5546591"   "5557550"   "5557551"   "5560001"   "5560002"   "5560020"   "5561792"   "5574667"   "5579524"   "5586332"   "5622789"   "5623594"   "5625826"   "5630148"   "5632037"   "5664201"   "5664205"   "5687079"   "5721837"   "5721938"   "5809336").PN. OR ("6216235"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/07 14:41
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## EAST Search History

S32	112	("20020105372"   "3980505"   "4432031"   "4442972"   "4488824"   "4557223"   "4591855"   "4680527"   "4740664"   "4751405"   "4779161"   "4787007"   "4789819"   "4799176"   "4807144"   "4851987"   "4893097"   "4903106"   "4924112"   "4935864"   "5008771"   "5025248"   "5064296"   "5077491"   "5085526"   "5087870"   "5105366"   "5149199"   "5170344"   "5189314"   "5195827"   "5201862"   "5253938"   "5255149"   "5283631"   "5287292"   "5291607"   "5325256"   "5359234"   "5359236"   "5381700"   "5422832"   "5424764"   "5440305"   "5444637"   "5451892"   "5453682"   "5455510"   "5483102"   "5485127"   "5490059"   "5560017"   "5586270"   "5596514"   "5612672"   "5688116"   "5723998"   "5764601"   "5798667"   "5805403"   "5808438"   "5838578"   "5848486"   "5870267"   "6006169"   "6029119"   "6055489"   "6061221"   "6078209"   "6079626"   "6094026"   "6112164"   "6134667"   "6140860"   "6172342"   "6194858"   "6215405"   "6216235"   "6225851"   "6233190"   "6272313"   "6276202"   "6285245"   "6321175"   "6336080"   "6361466"   "6363490"   "6375624"   "6388853"   "6393374"   "6403036"   "6412294"   "6442500"   "6442700"   "6446213"   "6452291"   "6457135"   "6463396"   "6470289"   "6484117"   "6487668"   "6501776"   "6516781"   "H000562"   "RE32960"   "RE34789").PN. OR ("6630754").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/07 15:06
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## EAST Search History

S36	25	("4254475"   "4885521"   "5053943"   "5142684"   "5179493"   "5257202"   "5300835"   "5307257"   "5402524"   "5475847"   "5483464"   "5515134"   "5627412"   "5713030"   "5719800"   "5727193"   "5745375"   "5778237"   "5787294"   "5787369"   "5832284"   "5848282"   "5987244"   "6062202"   "6216235").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 13:04
S37	28	("4768170"   "4931844"   "5213416"   "5276843"   "5278796"   "5375093"   "5485127"   "5500547"   "5650973"   "5703521"   "5774404"   "5793224"   "5811869"   "5812441"   "5812468"   "5831923"   "5872740"   "5873053"   "5875142").PN. OR ("6233190"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 13:45
S40	361	((thermal temperature) and voltage) adj data	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 13:48
S41	387	(thermal temperature) adj fault	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 15:30
S43	11	((thermal temperature) and voltage) adj management	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:18
S44	505	(stor\$4) adj (thermal temperature) adj (data value)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 15:04
S45	233	S44 same memory	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 14:01
S46	155	S45 and voltage	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 14:01
S47	1	(stor\$4) adj (thermal temperature) adj voltage adj (data value)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 15:23
S48	2	S41 same ((lower decrease reduce) adj voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 15:36

## EAST Search History

S49	81902	((lower decrease reduce) adj voltage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 15:36
S50	2392	S49 same time adj (interval increment period)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 15:37
S51	284	S50 same (temperature thermal)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 15:56
S52	3	("20050088137" "5590061" "6535 798").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 15:56
S54	3	S51 same (second adj (interval increment period))	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:06
S55	589	361/106.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:18
S56	2	((thermal temperature) adj voltage) adj management	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:19
S57	3	(compute calculate formulate) near rate near temperature near increase	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:52
S58	2485	713/300.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 16:52
S59	59	S58 and ((thermal temperature) adj (fault overload limit))	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/08 17:07
S60	1297	361/18.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 10:19
S61	39	S60 and ((thermal temperature) adj sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 09:20
S62	3275	(thermal temperature) adj runaway	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 09:21
S63	1228	S62 same voltage	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 09:21
S64	218	S63 same (memory storage)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 09:22

## EAST Search History

S65	28	("4768170"   "4931844"   "5213416"   "5276843"   "5278796"   "5375093"   "5485127"   "5500547"   "5650973"   "5703521"   "5774404"   "5793224"   "5811869"   "5812441"   "5812468"   "5831923"   "5872740"   "5873053"   "5875142").PN. OR ("6233190"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 09:30
S66	142	S60 and memory	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 10:20
S68	255852	("438" or "257").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 10:06
S69	11	S68 and ((thermal temperature) adj fault)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 12:49
S70	122	361/93.8.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 12:49
S71	15	("3558987"   "3590339"   "3694670"   "4050083").PN. OR ("4142115").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 12:54
S72	28	("3872418"   "4142115"   "4383270"   "4571728"   "4600600"   "4604753"   "4673772"   "4689659"   "4742023"   "4854731"   "4937646").PN. OR ("5008736"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 13:06
S73	11	("3872418"   "4142115"   "4383270"   "4571728"   "4600600"   "4604753"   "4673772"   "4689659"   "4742023"   "4854731"   "4937646").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 13:08
S74	28	("3872418"   "4142115"   "4383270"   "4571728"   "4600600"   "4604753"   "4673772"   "4689659"   "4742023"   "4854731"   "4937646").PN. OR ("5008736"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 14:23
S75	4859	thermal adj protection	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 14:23

## EAST Search History

S76	10	("4727450"   "5854731").PN. OR ("6052268").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 14:48
S77	27	("5484012"   "5502838"   "5752011"   "5798918"   "5881298"   "5906315"   "5940785"   "6000036"   "6029251"   "6052268"   "6119241"   "6157989"   "6397343"   "6560658"   "6639883"   "6718474").PN. OR ("6836849").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 15:12
S78	53	("5162668"   "5189314"   "5287292"   "5291607"   "5367638"   "5422806"   "5422832"   "5451892"   "5453705"   "5465373"   "5481210"   "5483102"   "5485127"   "5490059"   "5504908"   "5513361"   "5563928"   "5574667"   "5631852"   "5721837"   "5745375").PN. OR ("5940785"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 15:50
S79	42	("4870497"   "5021679"   "5073838"   "5162668"   "5189314"   "5300836"   "5336939"   "5359232"   "5359234"   "5359727"   "5367638"   "5422806"   "5451892"   "5453705"   "5465373"   "5490059"   "5502838"   "5557550"   "5563928"   "5572719"   "5608687"   "5610453").PN. OR ("5798918").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/04 14:34
S83	1	"5940785".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/27 10:09
S84	53	("5162668"   "5189314"   "5287292"   "5291607"   "5367638"   "5422806"   "5422832"   "5451892"   "5453705"   "5465373"   "5481210"   "5483102"   "5485127"   "5490059"   "5504908"   "5513361"   "5563928"   "5574667"   "5631852"   "5721837"   "5745375").PN. OR ("5940785"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/27 11:26



## EAST Search History

S85	229	702/132.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/27 11:26
S86	53	("3842348"   "4370723"   "4924404"   "5291607"   "5339445"   "5367638"   "5383137"   "5422806"   "5543666"   "5557557"   "5560022"   "5583419"   "5586332"   "5623647"   "5634131"   "5655127"   "5664202"   "5719800"   "5724591"   "5726901"   "5745375"   "5761517"   "5832284"   "5929604"   "5940785"   "5940786"   "5941991"   "5944829"   "5949689"   "5973542"   "5996084"   "6021401"   "6055640"   "6076171").PN. OR ("6415388").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/27 17:07
S87	917	(thermal adj temperature)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/30 17:15
S88	0	S87 adj fault	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/30 17:16
S89	90	((over adj temperature) overtemperature) adj indicator	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/30 17:16
S90	180	361/140.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/04 14:43
S93	13	hysteresis adj time adj period	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/05 10:20
S94	17	(chang\$4 alter\$4) near (hysteresis) near ((trip adj point) time)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/05 15:12
S95	35	programable adj timer	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/05 15:12
S96	2450	timing adj margin	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:26
S97	223	S96 same (thermal temperature heat)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:26

## EAST Search History

S98	141	S97 same voltage	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:26
S99	98	improv\$4 adj timing adj margin	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:26
S10 0	8	S99 same (thermal temperature heat)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:26
S10 1	14	S99 same voltage	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:39
S10 2	113	improv\$4 adj tim\$4 adj (dely path margin)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:40
S10 3	15	S102 not S99	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:40
S10 4	3	S103 same voltage	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 15:40
S10 5	2	"5545977".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 12:50
S10 6	570	voltage adj and/or adj frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 12:50
S10 7	283	frequency adj and/or adj voltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 12:50
S10 8	46	S106 and S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 12:50

## EAST Search History

S10 9	807	S106 S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 12:51
S11 0	119	S109 same temperature	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 12:51
S11 1	0	S110 same (timing adj margin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 12:51
S11 2	5309	tim\$4 adj margin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:55
S11 3	425	S112 with frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:56
S11 4	17	S113 with voltage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/06 12:56